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Customer Number



Patent
Case No.: 59067US002
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: CRAWFORD, GREGORY P.

Application No.: 10/748562 Group Art Unit: 2871

Filed: December 30, 2003 Examiner: Chen, Wen Ying Patty

Title: ALIGNMENT OF LIQUID CRYSTALS

INFORMATION DISCLOSURE STATEMENT

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

Copies of any cited foreign patents, foreign publications, non-patent literature documents, and any pending U.S. applications filed before June 30, 2003, are enclosed.

This Information Disclosure Statement is being mailed after receipt of a first Office Action on the merits, but prior to the mailing of a Notice of Allowance under 37 CFR § 1.311. Please charge the fee for consideration of an Information Disclosure Statement set forth in 37 CFR § 1.17(p) to Deposit Account No. 13-3723, and if necessary, please charge any additional fees, or credit any overpayment to Deposit Account No. 13-3723. One copy of this sheet marked duplicate is also enclosed.

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Date
Office of Intellectual Property Counsel
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Respectfully submitted,

By:

Gregg H. Rosenblatt, Reg. No.: 45,056
Telephone No.: 512-984-7443

Substitute for form 1449A/PTO (modified)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets if necessary)

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PATENT & TRADEMARK OFFICEApplication Number **10/748562**Filing Date **December 30, 2003**First Named Inventor **Crawford, Gregory P.**Art Unit **2871**Examiner Name **Chen, Wen Ying Patty**Attorney Case Number **59067US002****U.S. Patent Documents**

Exam. Init.*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (if known)			
	A1	US-			
	A2	US-			
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
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Foreign Patent Documents

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		Ctry. Code	Number-KindCode (if known)				
	B1						
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	B4						
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	FLANDERS, D.C., et al; "Alignment of Liquid Crystals Using Submicrometer Periodicity Gratings", <i>Applied Physics Letters</i> (15 May 1978); Vol. 32, No. 10; pp. 597-598
	C2	NEWSOME, C.J., et al; "Laser Etched Gratings on Polymer Layers for Alignment of Liquid Crystals", <i>Applied Physics Letters</i> (27 April 1998); Vol. 72, No. 17; pp. 2078-2080
	C3	

Examiner:*Date Considered:**

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